

WHAT IS CLAIMED:Patent Claims

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1. Method for using various Internet access networks (IN-AN) with mobile, Internet-compatible communication terminal devices (KE),
  - whereby at least respectively one commercial interface (SBB) for cash-free payment for a use of the respective Internet access network (IN-AN) is respectively provided in the Internet access networks (IN-AN);
  - whereby a traffic relationship to the commercial interface (SBB) is set up in the framework of the logon of a mobile communication terminal device in the respective Internet access network (IN-AN);
  - 10 -- whereby the respective Internet access network (IN-AN) can be used by the mobile communication terminal device (KE) after a cash-free payment via the commercial interface (SBB) that is effected by the communication terminal device (KE).
2. Method according to claim 1, characterized in that a mobile Internet protocol (MIP for realizing a communication terminal device mobility is provided in the Internet access network (IN-AN)).
- 15 3. Method according to claim 1 or 2, characterized in that a temporary or continuous use of the respective Internet access network (IN-AN) is effected with the cash-free payment.
- 20 4. Method according to claim 1 or 2, characterized in that the cash-free payment ensues with the assistance of a credit card (KK), whereby a credit card information (ki) as well as an identification information (id) or, respectively, a personal identification information (pin) are communicated to the communication terminal device (KE) via the commercial interface (SBB) and via the Internet access network (IN-AN).
- 25 5. Method according to claim 4, characterized in that the credit card information (ki) are read in the mobile communication terminal devices (KE) with the assistance of reader devices (LE) for credit cards or are input by input devices.
- 30 6. Method according to one of the claims 1 through 5, characterized in that, in the framework of a security system of the cash-free payment, an electronic signature is communicated from the affected communication terminal device (KE) to

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the commercial interface (SSB) and/or the identification and credit card information (id, ki) to be communicated are encrypted in communication terminal device-associated fashion.

7. Method according to one of the claims 1 through 6, characterized in that the mobile communication terminal devices (KE) are represented by communication radio network comm terminal devices (KE(KMN)) and an Internet access network (IN-AN) is represented by at least one Internet server (IN-S/M) connected to a communication radio network (KMN).

8. Method according to one of the claims 1 through 6, characterized in that the mobile communication terminal devices (KE) are represented by portable communication fixed network communication terminal devices (KE(KMN)) and an Internet access network (IN-AN) is represented by at least one Internet server (IN-S/F) connected to a communication fixed network (KFN).

9. Method according to one of the preceding claims, characterized in that the commercial interface (SSB) is integrated in the at least one Internet server (IN-S/F, IN-S/M) or is arranged in the at least one Internet server (IN-S/F, IN-S/M).

10. Method according to one of the claims, characterized in that mobile computer devices are connectable to the mobile communication terminal devices (KE), whereby the cash-free payment is implemented with the assistance of the mobile communication terminal devices (KE).

11. Method according to one of the preceding claims, characterized in that -- a connection to the Internet access network (IN-AN) is set up via the feeder networks (AN) of public or private communication fixed networks (KFN) or communication radio networks (KMN);

25 -- the commercial interface (SSB) is introduced during a logon procedure between the respective Internet access network (IN-AN) and the communication terminal device (KE) requesting an Inter [sic] access;

-- identification and credit card information (id, ki) are communicated between the requesting communication terminal device (KE) and the commercial interface (SSB) in the framework of a payment procedure for cash-free payment; and

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-- access to the Internet (IN) via the Internet access network (IN-AN) is subsequently granted to the requesting communication terminal device (KE).

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